

इंटरनेट

मानक

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Whereas the Parliament of India has set out to provide a practical regime of right to information for citizens to secure access to information under the control of public authorities, in order to promote transparency and accountability in the working of every public authority, and whereas the attached publication of the Bureau of Indian Standards is of particular interest to the public, particularly disadvantaged communities and those engaged in the pursuit of education and knowledge, the attached public safety standard is made available to promote the timely dissemination of this information in an accurate manner to the public.

“जानने का अधिकार, जीने का अधिकार”

Mazdoor Kisan Shakti Sangathan

“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

“Step Out From the Old to the New”

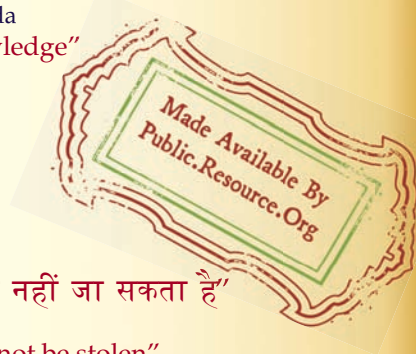
IS 5956 (1986): Hip Joint with Lock for Orthosis [MHD 10:
Medical Laboratory Instruments]



“ज्ञान से एक नये भारत का निर्माण”

Satyanarayan Gangaram Pitroda

“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”

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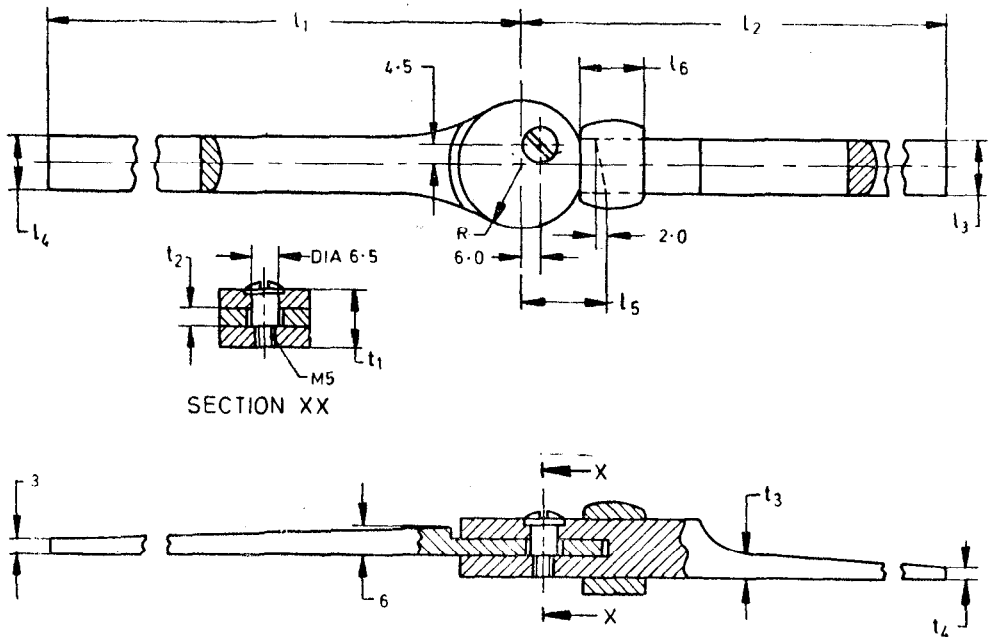
Indian Standard

(Reaffirmed 2002)



SPECIFICATION FOR
HIP JOINT WITH LOCK FOR ORTHOSIS
(First Revision)

1. **Scope** — Prescribes dimensional and other requirements of hip joint with lock for steel orthopaedic calipers and barces.
2. **Shape and Dimensions** — As shown in Fig. 1.



Size	l_1	l_2	l_3	l_4	l_5	l_6	t_1	t_2	t_3	t_4	R
I	200	140	11	11	18	13	10	3	4	3	13
II	230	160	13	13	20	15	12	4	5	3.5	15
III	270	170	13	13	20	16	14	4	6	4	15

All dimensions in millimetres.

Fig. 1 HIP JOINT WITH LOCK FOR STEEL ORTHOPAEDIC CALIPER AND BRACES

3. **Material** — Carbon steel conforming to Designation 30C8 or 35C4 of IS : 1570 (Part 2)-1979 'Schedules for wrought steels: Part 2 Carbon steels (unalloyed steels) (first revision)'.
4. **Workmanship and Finish** — The male and female parts of the joints shall be accurately and cleanly machined and the joint faces shall be finished clean and free from toolmarks. The male part shall be made to give a close running fit with the female joint member. The parts after assembly shall give a smooth jerk-free movement while flexing the joint. The outside surfaces of the joint and the shanks shall be free from forging scale. All sharp edges and corners shall be rounded. There shall be no surface flaws and cracks on the finished components. All surfaces shall be finished smooth. Fabrications by welding or brazing shall not be allowed. There shall not be any frictional, jerky or mediolateral movement at the joints.
5. **Marking** — The joint shall be marked with the following:
- a) Manufacturer's name, initials or recognized trade-mark; and
 - b) Size of the joint (see Fig. 1).

5.1 ISI Certification Marking — Details available with the Indian Standards Institution.

6. Packing — As agreed to between the purchaser and the supplier.

7. Sampling — A sampling scheme and criteria for acceptance shall be as agreed to between the purchaser and the manufacturer; however a recommended scheme is given below.

7.1 Lot — All the sets of hip joints of the same type shall be grouped together to constitute a lot. Each lot shall be tested for the requirements of this specification.

7.2 Each set of hip joints, with lock for orthosis shall be examined for shape and dimensions (2) and workmanship and finish (4). All those sets which fail in one or more of the above requirements shall be rejected and only the satisfactory sets of joints shall be accepted.

EXPLANATORY NOTE

In this revision, the main changes are in Fig. 1 and its dimensions.